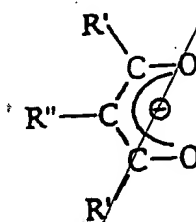


In the Claims

1. (Twice Amended) An electroluminescent compound which comprises an organic complex of a metal and an organic ligand which emits light in the blue or purplish blue spectrum when an electric current is passed through it

wherein the metal is selected from the group consisting of thorium (IV), yttrium (III), gadolinium (III), europium (II), terbium (III), cerium (III) and mixtures thereof and the ligand is selected from the group consisting of

(i)



where R' maybe the same or different parts of the molecule and each of R'' and R' is a substituted or unsubstituted aromatic or heterocyclic ring structure or a hydrocarbyl or a fluorocarbon or R'' is fluorine or hydrogen or R'' is copolymerised with a monomer or R'' is an alkyl group optionally a -C(CH₃) group;

(ii) TMHD;

(iii) α' α'', α''' tripyridyl;

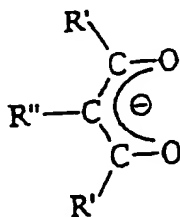
(iv) bathophen (4, 7-diphenyl-1, 10-pehnanthrolin);

(v) crown ethers, and

(vi) cryptands.

8. (Twice Amended) An electroluminescent device which comprises (i) a transparent substrate (ii) an electroluminescent layer an electroluminescent compound which comprises an organic complex of a metal selected from transition metals, lanthanides and

actinides and an organic ligand which eletroluminescent compound emits light in the blue or purplish blue spectrum when an electric current is passed through it and in which the organic ligand has the formula



where R' maybe the same or different at different parts of the molecule and each of R'' and R' is a substituted or unsubstituted aromatic or heterocyclic ring structure or a hydrocarbly or a fluorocarbon or R'' is fluorine or hydrogen or R'' is copolymerised with a monomer is an alkyl group optionally a $-\text{C}(\text{CH}_3)$ group, or the ligand is selected from TMHD, α' , α'' , α''' tripyridyl bathophen (4, 7-diphenyl-1, 10-phenanthroline), crown ethers and cryptands comprising an electroluminescent compound deposited on the substrate and (iii) a cathode.

23. (Twice Amended) An electroluminescent device as claimed in claim 8 in which the cathode includes one selected from the group consisting of aluminum, magnesium, lithium, calcium and magnesium silver alloy.

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B3